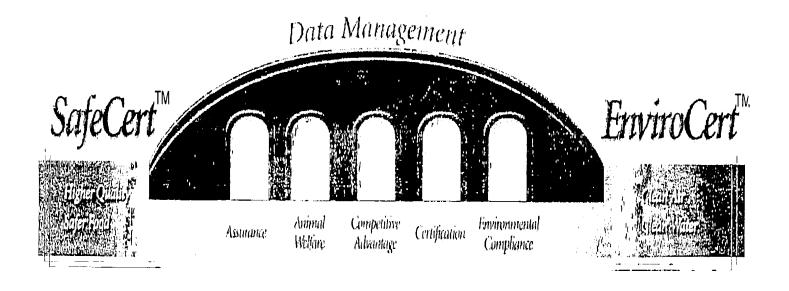
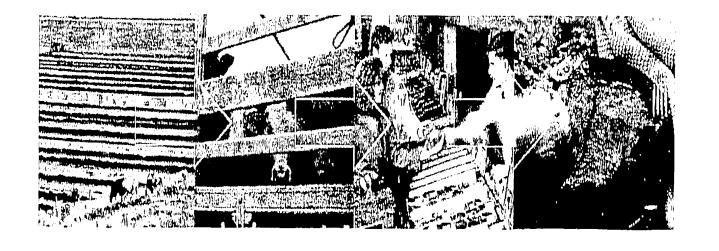
EXHIBIT

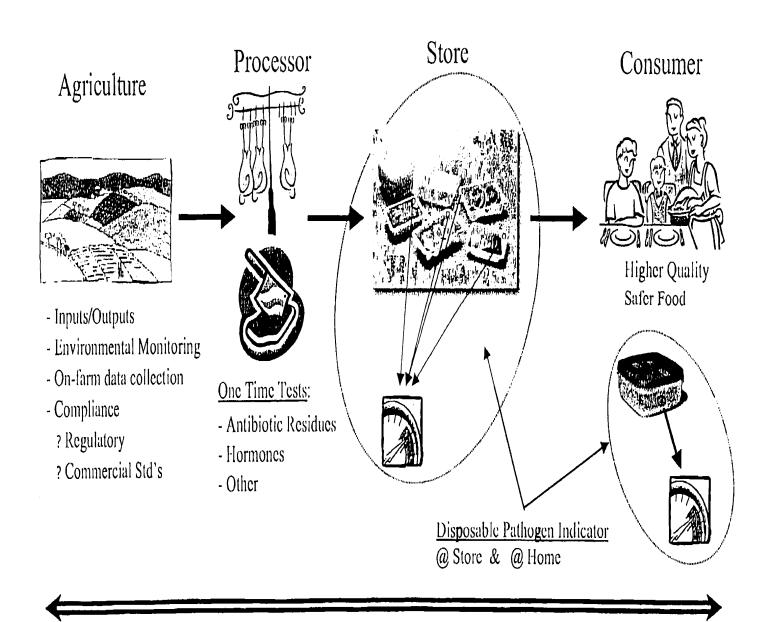
AgCert International





Food Safety/Quality - SafeCert™



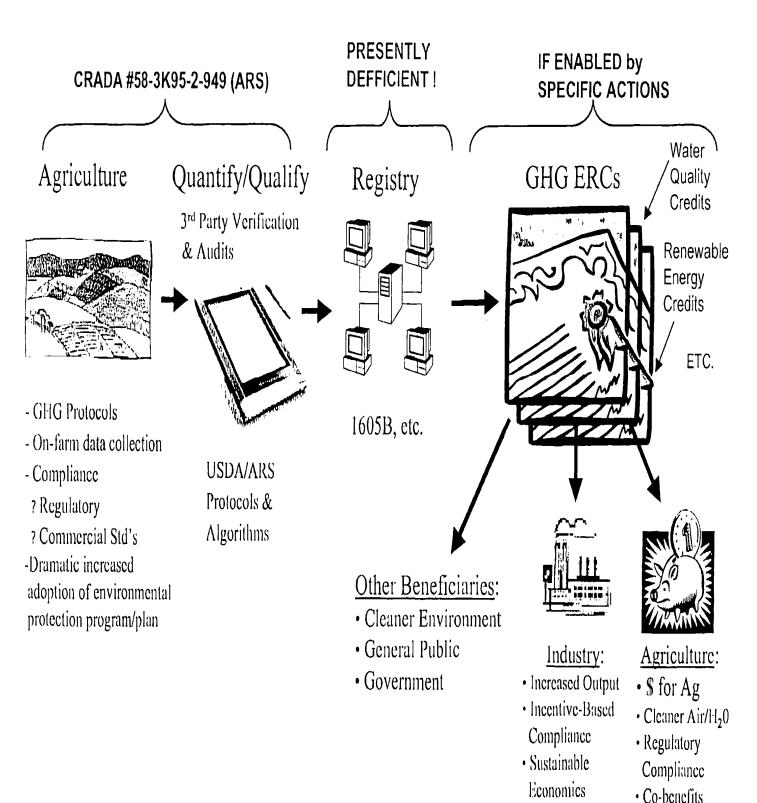


Traceability / Verification

(Data from each phase)

Environmental - CarbonCert™







CRADA

 CRADA 58-3K95-2-949, entitled "Development of Greenhouse Gas Algorithms for Agricultural Systems" between AgCert & ARS

• Phase 1:

Provides research, data and other resources to develop and evaluate methods and technology needed to standardize/certify the qualitative and quantitative value and volume of Greenhouse Gas (carbon dioxide, methane, and nitrous oxide) and/or equivalent compounds avoided, mitigated or sequestered through various agricultural production practices

CREATING THE SCIENCE

• Phase 2:

Undertakes a holistic examination of agricultural production systems to maximize both GHG emission reductions and various co-benefits (including cleaner air and water). Develops the procedures & guidelines for Whole Farm Agricultural Environmental Management Compliance Plan, utilizing the ARS-developed methods and technology.

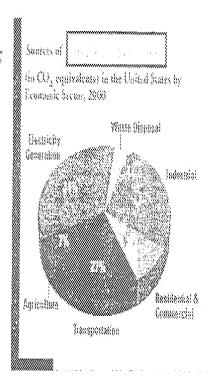
CREATING APPLICATIONS

CRADA addresses ALL agricultural verticals, sectors, and geographic locations

U.S. Agriculture and GHG Reductions #48001

U.S. Agriculture Has TREMENDOUS Potential to Help Solve the Worldwide GHG Problem...

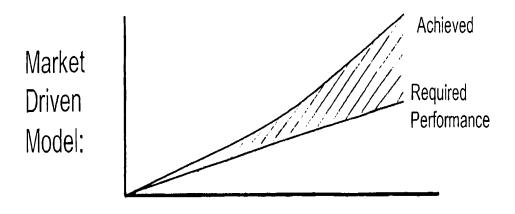
- Minimal Greenhouse Gas emitter (=7%)
- One of world's largest potential supplies of GHG reductions
 - Concentrated biomass (CAFOs)
 - Large arable landmass
 - Potential to realize GHG improvement from multiple practices within a system
 - Capable of generating a large, predictable,
 renewable supply important to large buyers;
 reduces errors; minimizes risks



...U.S. Agriculture and GHG Reductions ##AgCert (cont.)

U.S. Agriculture Has TREMENDOUS Potential to Help Solve the Worldwide GHG Problem...

- GHG driven production practice changes will have profound positive impact on environment (numerous cobenefits)
 - GHG emission reductions can become a significant new revenue source for Agriculture
 - Dramatically increased adoption of environmental protection program/plan
 - Measurable, verifiable data
 - Cleaner air & water



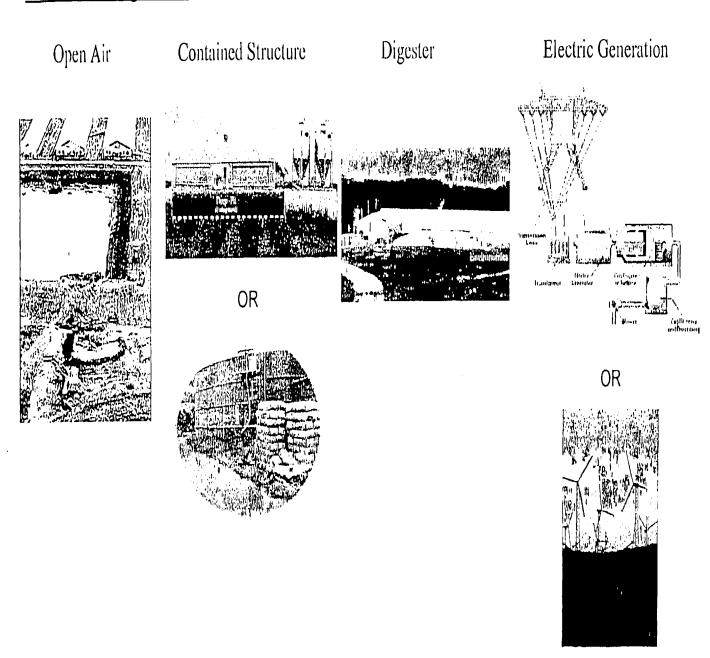
What Elements are Necessary to Create *** AgCert the "Gold Standard" Ag GHG ERC?

	HOW?
 Sound Science 	CRADA
Baseline(s)	USG
 Database: robust, transparen geo-referenced 	it, AgCert System
• Rigorous Quality Assurance/I	SO AgCert System
 Agriculture Incentives 	
Market driven	USDA
Sustainable economicsRegulatory complianceReduced risk	&
• Preferred loan/insurance rates	AgCert
 ERC trading mechanisms 	MISSING!
– Registry	

##AgCert

Progressive application of technologies & processes

Manure Management





Progressive application of technologies & processes

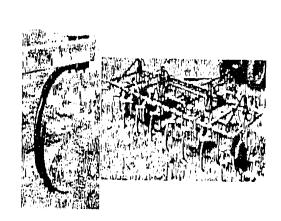
Tillage

Invasive

Minimum Till

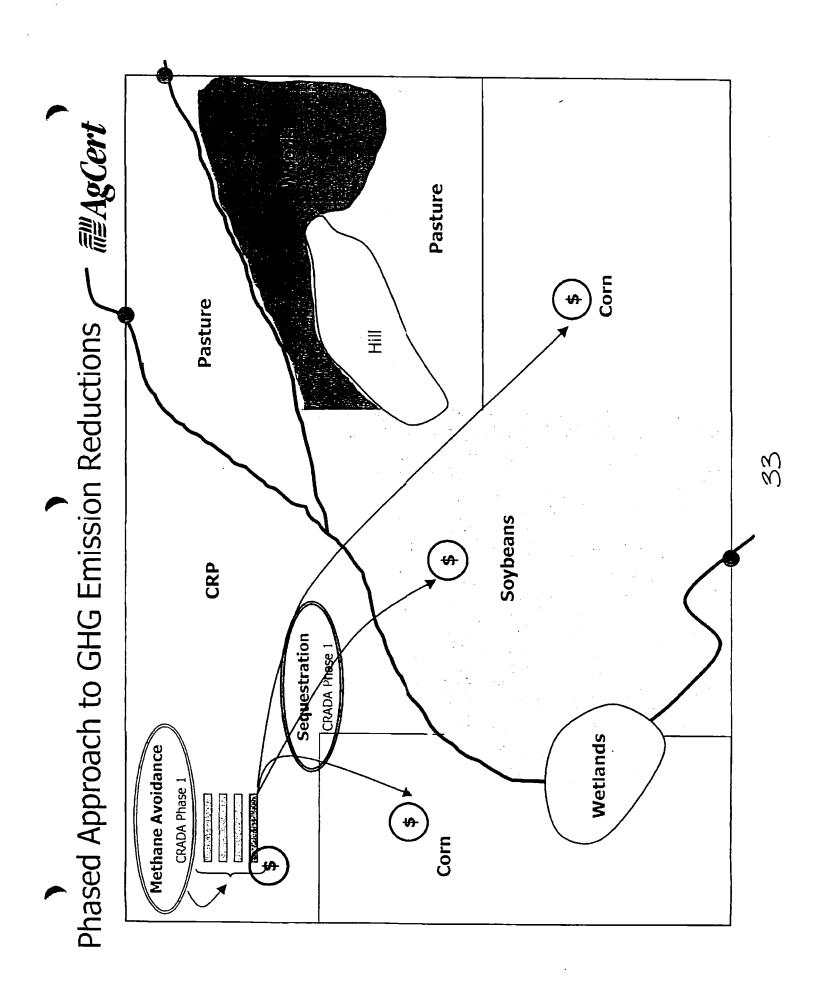
No Till

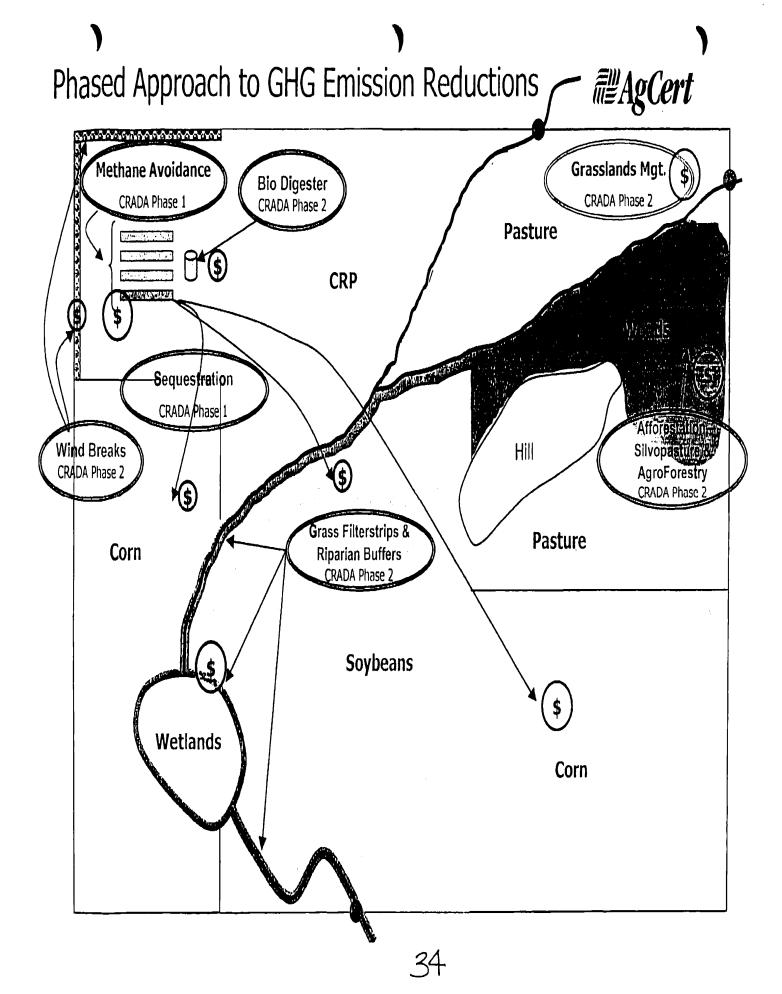


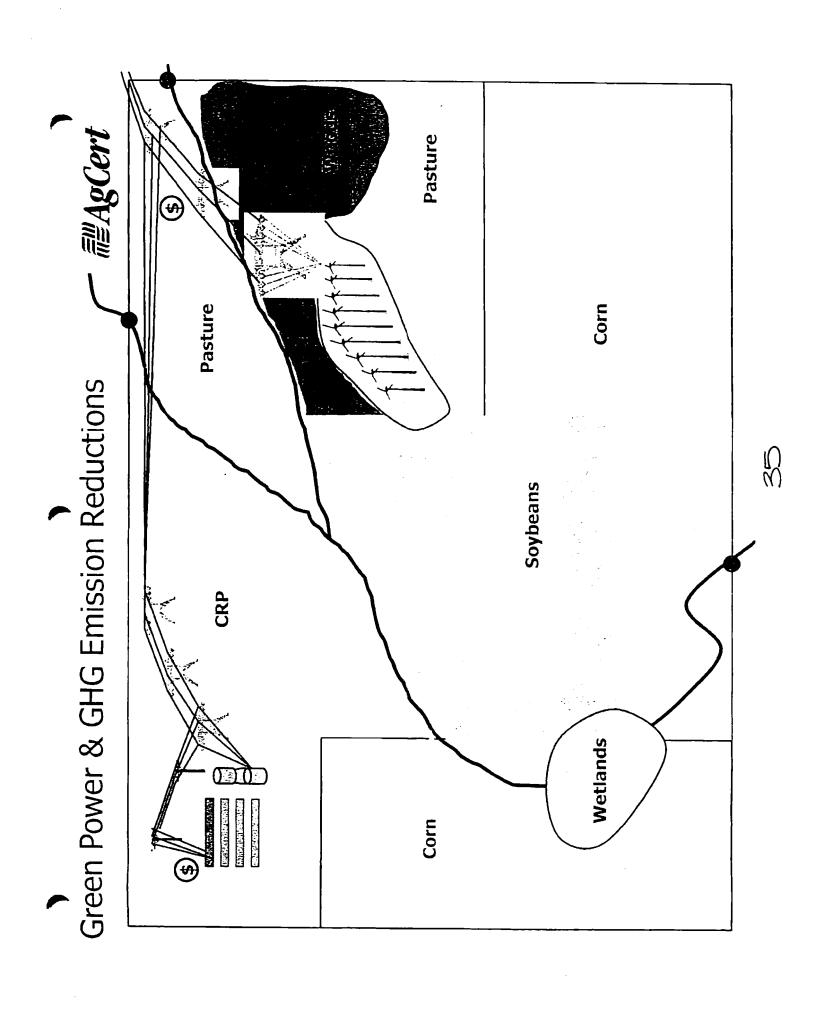




高豐AgCert Pasture Corn ▶ Phased Approach to GHG Emission Reductions **Pasture** 32 Soybeans CRP Wetlands Methane Avoidance CRADA Phase 1 Corn







Calculations, 640 acre farm



Typical Farm Land Use, 640 acres, Corn Belt:					
<u>Usage</u>	<u>Percentage</u>	Acres			
Crops	53.4%	341.76 ~ 260 cows ~ 5630 pigs			
CRP	6.6%	42.24			
Pasture	7.0%	44.8			
Woodlot	19.0%	121.6			
Other use	14.0%	89.6 (farmstead, wetlands, etc.)			

Major Land Use by Region 1997 USDA

A dairy milking 900 cows produces 47,887 tons of manure

175 pounds of N applied per acre = 1.314 acres per cow

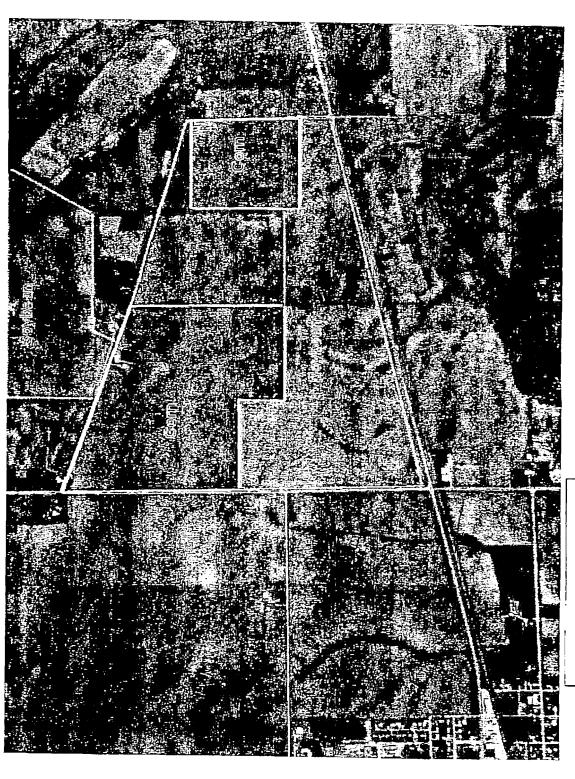
USDA-NRCS Agricultural Waste Management Field Handbook, Tables 4.4, 4.5, and Figure 4-1

@ 3,000 gallons/acre application rate, 1 acre = 16.47 pigs

Design and Management of Anaerobic Lagoons in Iowa for Animal Monure Storage and Treatment

Aerial Georeferenced Farm Data



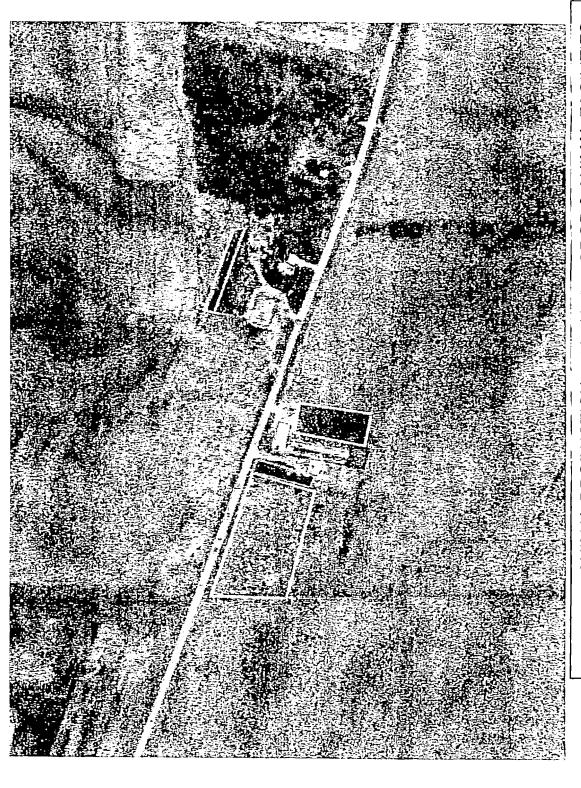


LEGEND:

= CORN GREEN = SOYBEANS

Aerial Georeferenced Farm Data

意识AgCert

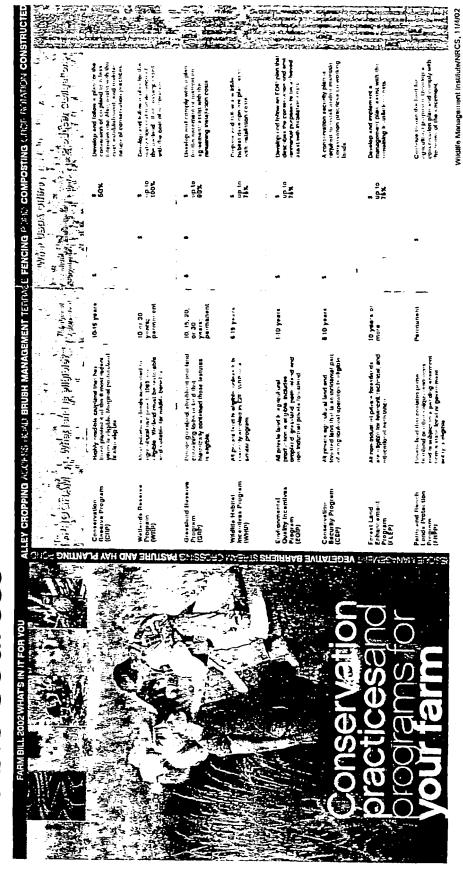


LEGEND:

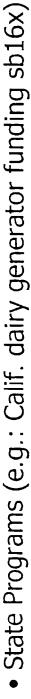
= ANIMAL PRODUCTION = SET GREEN = WINDBREAKS

BLUE = DEEP PIT WASTE DISPOSAL

Possible Sources







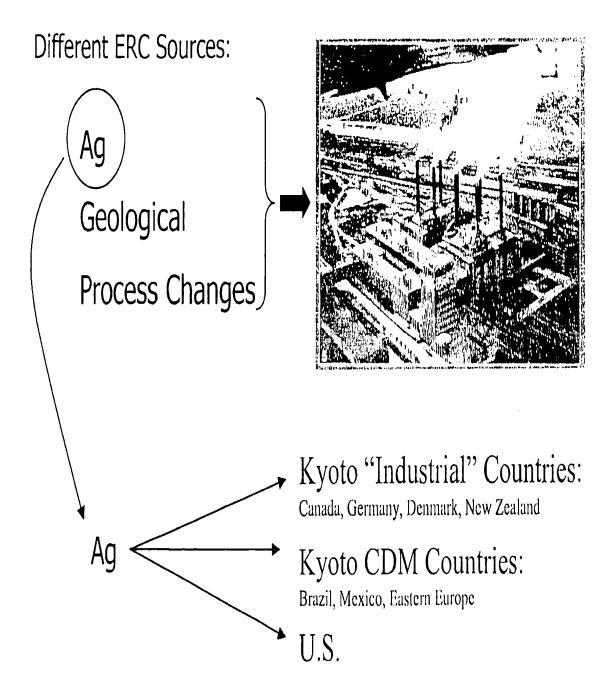
Local/municipal programs (especially watershed related)

Quality Assurance

- Essential component of Emission Reduction Credit (ERC) 'quality" equation
- AgCert's system establishes the "Gold Standard"
- Built upon ISO platform
- Uses independent assessors/auditors
- Strong underlying qualifications (CCA, Environmental Eng's, etc.)
- ANSI and/or ISO certified
- Rigorously trained on AgCert/USDA protocols
- Re-certified annually
- Multiple independent audit steps
- Data collection will enable GPS/time/date stamping
- Accommodates (optional) Customer Requested audits
- Most striking opportunity to differentiate Ag ERCs from other sonices

Ag ERCs vs. Other ERCs





We need to enable U.S. Ag to sell into ALL markets!

Ag ERCs vs. Other ERCs



41	AgCert International LLC	
	Emission Reduction Credit Sources	
	Campadaan Mately	

	AgCert's EnviroCert		Geological Sequestration			Renewable Energy			Forestry	
Attributes\Sources	Avoldance	Sequestration	Enhanced Oil Recovery	Deep Ocean Injection	Direct Injection	Blomass	Hydro	Wind	Afforestation	Ag Forestry
Government Approved Protocols	7	7				V			√	→
Third Party Verification	/	1				1	71	√.	/	1
Large Available Supply	V	/	1	√	7	7		/	√	1
Renowable Supply	√.	1	1	V	√	, 1	1	1		
Measurable Science	1	/	1	1	/	1	1	1	✓	√
Uniformity of Supply	√	1.	7,	1	1	1.	17	1	V	√
Meets Additionality Requirements	1	/	77	√	1		7	1	✓	1
Pormanence	√.	7	77	??	77	1		1	7	7
Environmental Co-Benofits*	√	1		L		-		/	✓	V
Unintended Consequences	1 1		??.	??	. ??		J			

Definitions:	
'AgCert's EnviroCert Protocols:	
.Avoidance	Mothane avoidance projects involve changing manure handling/containment practices to avoid the (normal) production of methane. Practice change
i	examples include changing from uncovered lagoons to contained storage technologies; and/or using anaerobic digo
Sequestration	Sequestration projects involve capturing and storing CO2 below the agricultural land preventing it from being released into the almosphere for a specifier
	Eperiod of time.
Geological Sequestration:	
Enhanced Oil Recowry	Enhanced oil recovery projects involve capturing CO2 that would otherwise be vented to the atmosphere for injection into crude production fields to enhance oil recovery.
Direct Injection	Direct injection projects involve the (re)injection and long-term underground storage of CO2 in underground reservoirs.
Deep Ocean Injection	Doop ocean injection projects involve injecting CO2 into the deep ocean (approximately 10,000 feet) and allowing it to dissolve in the ocean water.
Renewable Energy:	
Blomass	Biomass projects involve switching from a more GHG intensive fuel to biomass. Biomass can include agricultural and forestry wastes or crops and tross grown for biomass.
Hydro	Hyrdo projects Involve switching from a more GHG intensive fuel to hydro.
Wind	Wind projects involve switching from a more GHG intensive fuel to wind,
Forestry:	
Allorestation	Afforestation projects are the conversion of non-forest to forest on lands previously in a non-forest use,
Ag Forestry	Ay Forestry projects Involve commercial referestation efforts.
•	
t Con Co Bonofil Comundado	

^{*} See Co-Benefit Comparison

Ag ERCs vs. Other ERCs



• • • • • • • • • • • • • • •	** - 1* ** - 1 }	#4 ·	Co-Ben	efit Compa	rison Matri	X		1		-
	AgCert's EnviroCert				Geological Sequestration			Renewable Energy		
	Avoidance	Sequestration	Enhanced Oil	Deep Ocean	Direct Injection	Biomass	Hydro	Wind Turbines	Afforestation	Ag Forestry
Co-Benefits\Sources			Recovery	Injection	,					
Cleaner Air	V	V				7	✓	V	√	V
Cleaner Water	h 🗸 i	1	,		1 "	√.	, <u>,</u> , <u>,</u>	1	✓	✓
Revenue to Agriculture	7	7				V		√	✓	₹ .
Reduce Use of Petro-Based Fortilizer	-/	V ,	r			, ,	TV.	1		
Increase Regulatory Compliance	1	/				1			✓	✓
Renewable Energy Potential I	Z √1 , t 2 ,	1 × √1.	. 1 1	1		Jr Z - 3	1.	4.4		1
USDA Royalties	1	√	<u> </u>			1		√	1	✓
Successful Technology Transfer	V	7				/		1	V	✓
Potential Decrease in Farm Subsidies	4	/			-	1		√	/	√
Dramatically increase Adoption of Environmental Protection	(d)	/	Jan 1	4 - 14 - 14	18.	H. A.	67 M			
Reduce Government Enforcement	,					,				
Costs	/	✓								
U.S. Leadership	✓ _	. √				√	1.	· \ '		

Emission Reduction Credit Sources

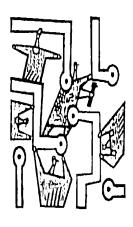
AgCert International LLC

<u></u>	<u> </u>
Definitions:	
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Forestry:	
Afforestation	Afforestation projects are the conversion of non-locast to forest on lands previously in a non-forest use.
Ag Forestry	Ag Forestry projects involve commercial referestation efforts.
•	The state of the s



The Market







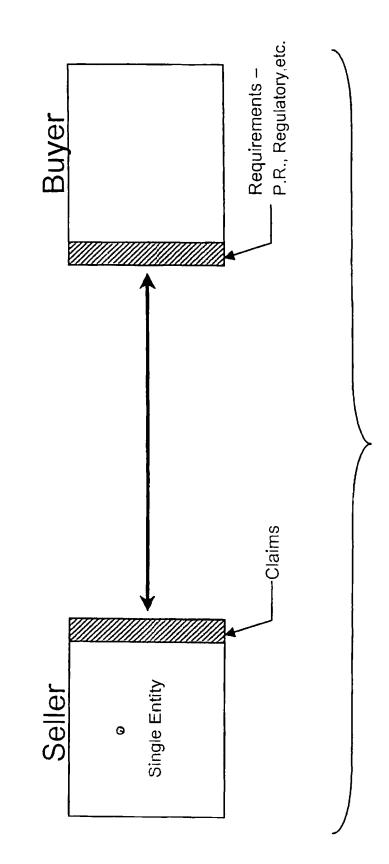
Early GHG trades were a rodeo – most trades were more concerned with generating publicity than creating actual GHG benefit.

Today's trades are complex based upon science, but with no standard of performance, varied protocols and a wide range of differing values for GHG. Tomorrow AgCert will provide government-derived standards of performance & protocols, which will add real value to the GHG market and will enable greater GHG benefits.

Before Now The Future

而豐 AgCert

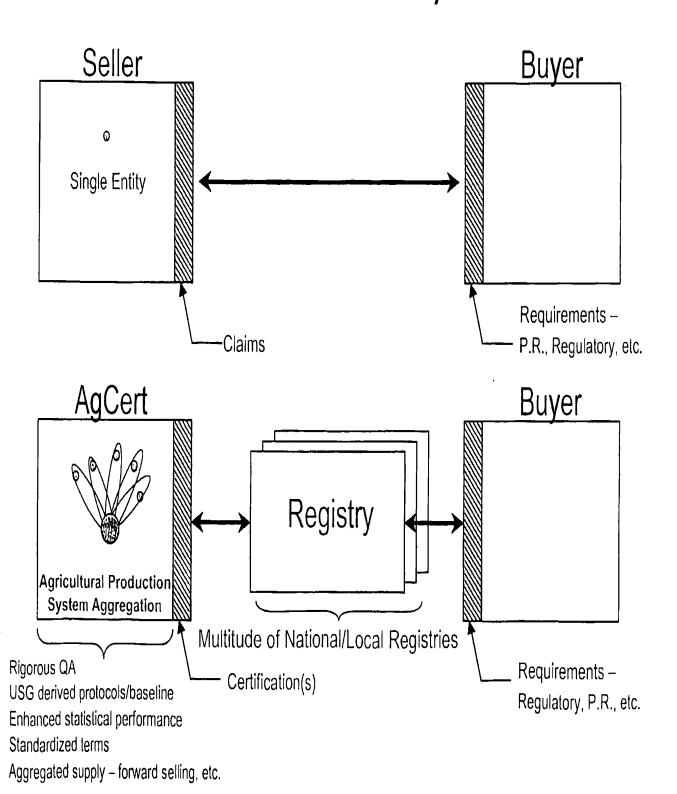
The Market...In the Past



Project Based Trades

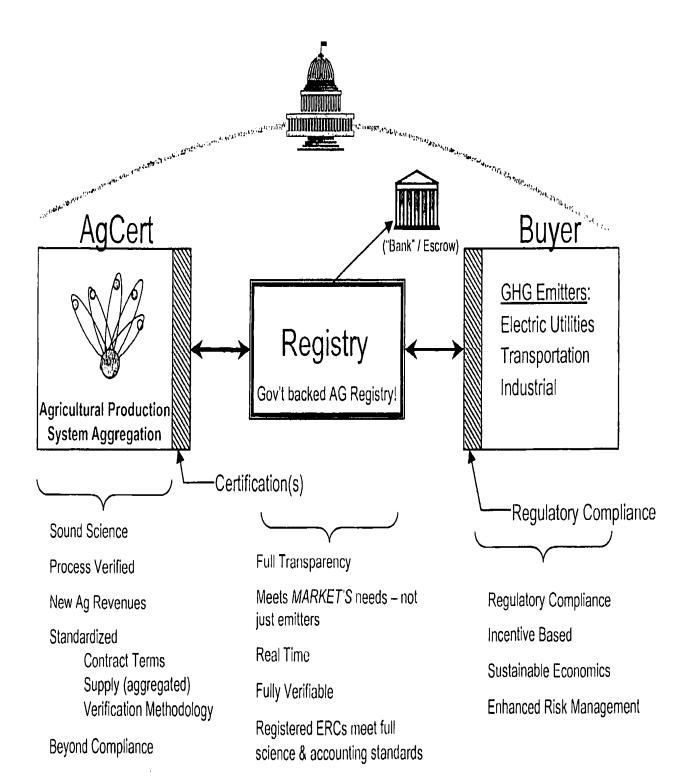
The Market...Today





The Market ... Tomorrow





****20,000 Metric Tons CO₂e****

Created Pursuant to CRADA NO. 58-3K95-2-949

Serial NO. 1998-5002-DPMS-3626 1998-5003-DPMS-4441 1998-5004-DPMS-2151 1998-5006-DPMS-3870 1998-5007-DPMS-3010 1998-5011-DPMS-2902

Twenty Thousand Metric Tons

Carbon Dioxide Equivalent Emission Reduction



For the benefit of Privet, LLC.

CO₂c Source: Methane Avoidance

AgCert International LLC

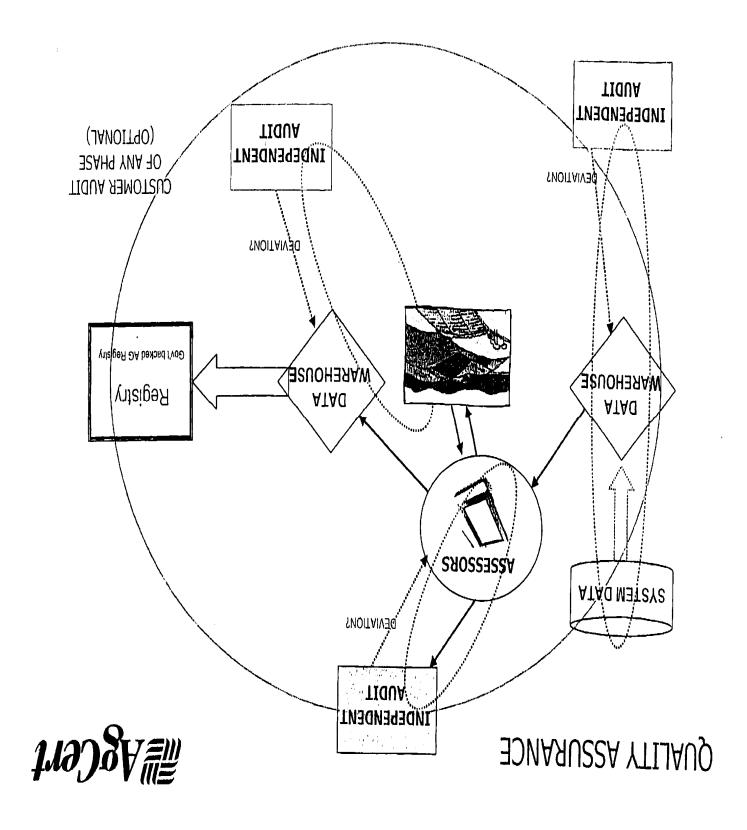
Alan Tank CEO December 6, 2002

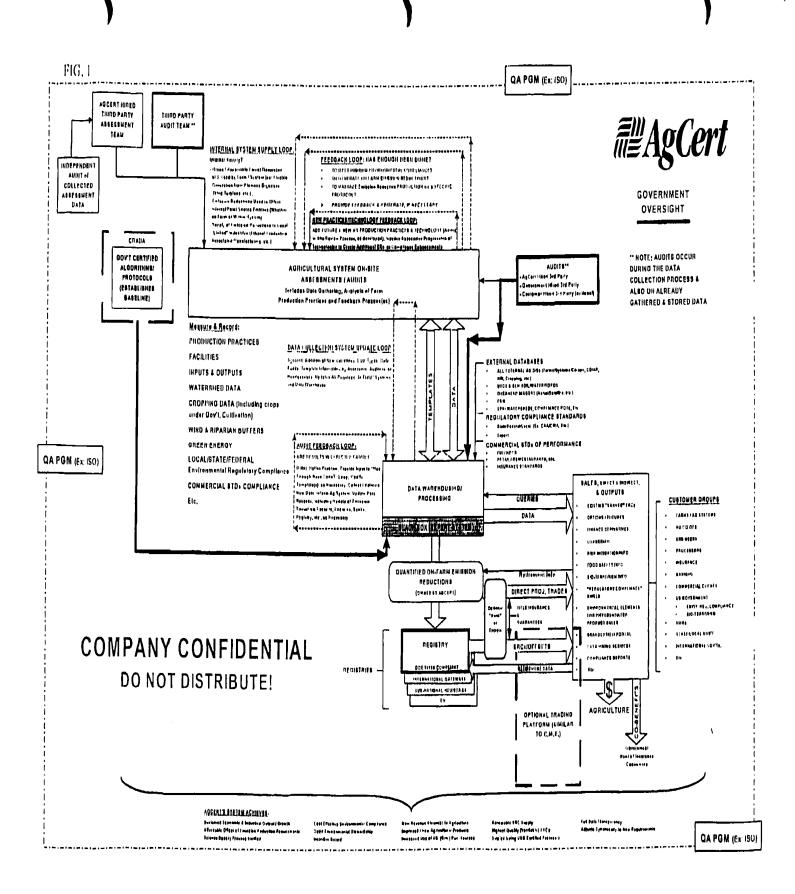
----- Transfer Restrictions on Reverse Side of Certificate -----

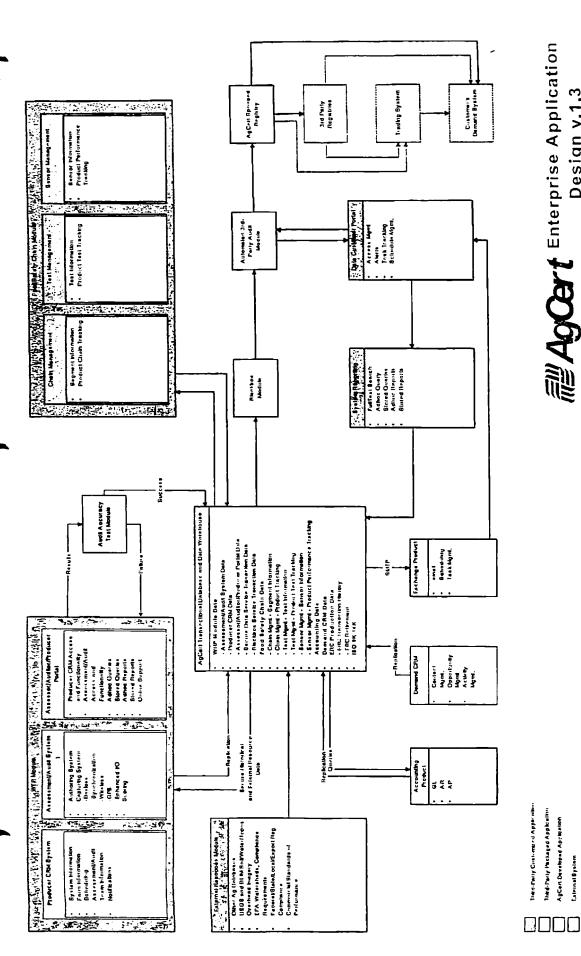
而是AgCert

How Do We Capture This Opportunity for Ag?

- NRCS Advocacy
- Prioritization of CS & TA
- USG Backed Ag Registry
- Science/economic based accounting system (registration of ERCs requires government approved protocols/methodologies)
- DISCUSSION







Agent Enterprise Application Design v.1.3

Bitd.Parly Packaged Application

AgGert Developed Application

Catemat Byalam

January 2, 2003